

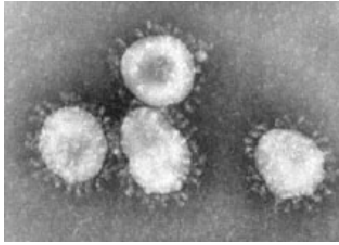
SARS Developing a Research Response

Clinical Research

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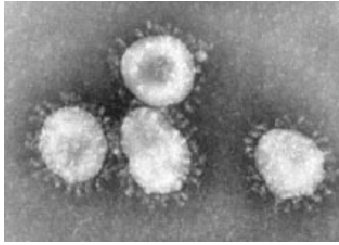


SARS Developing a Research Response

Clinical Research: Clinical Manifestations

- Recommendations:
 - Development of staging system
 - Identify predictors of disease progression
 - Role of host genetics
 - Develop laboratory surrogates
 - Evaluate the longitudinal course of patients
 - Clinical, Immunologic, Virologic
 - Evaluate super-spreaders



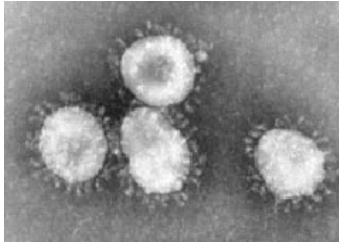


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Clinical Research: Virology

- Recommendations:
 - Longitudinal evaluation of viral shedding with PCR and culture
 - Correlation of viral quasi-species with clinical manifestations and infectivity
 - Evaluate in vivo evolution of virus/develop assays for measuring resistance



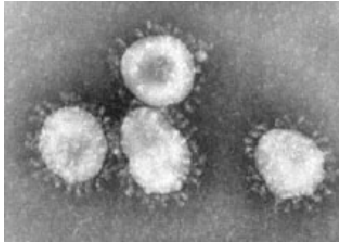


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Clinical Research: Immunology

- Recommendations:
 - Longitudinal data on development of humoral and cellular immune responses
 - Evaluate impact of SARS on immune response to other antigens
 - Evaluate role of immune system on pathogenesis (inflammation/lymphoid cell depletion)





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Clinical Research: Treatment

- Recommendations:
 - Develop a coordinated global network for studying infectious diseases
 - Initiate randomized controlled trials with:
 - Hyperimmune immune globulin
 - Corticosteroids
 - New agents as identified
 - Include timing as variable in trial design
 - Early-vs-late
 - Post exposure versus established disease

